

=> d his ful; d que sta

(FILE 'HOME' ENTERED AT 14:40:10 ON 08 MAY 2008)

FILE 'REGISTRY' ENTERED AT 14:40:24 ON 08 MAY 2008

L1 4324310 SEA ABB=ON PLU=ON SQL<=20
L2 48380 SEA ABB=ON PLU=ON L1 AND X...^/SQSP
L3 3997 SEA ABB=ON PLU=ON L2 AND CYCLIC/NTE
L4 44383 SEA ABB=ON PLU=ON L2 NOT L3
D L4 1-2 SQIDE
L5 ANALYZE PLU=ON L4 1- LC : 8 TERMS (ANALYZE ENDED BY
USER)
D

FILE 'ZCAPLUS, USPATFULL, USPATOLD, USPAT2, TOXCENTER' ENTERED AT
14:50:23 ON 08 MAY 2008

L6 37907 SEA ABB=ON PLU=ON L4

FILE 'REGISTRY' ENTERED AT 14:52:13 ON 08 MAY 2008

L7 2258 SEA ABB=ON PLU=ON L4 AND 'BAL'...^/SQSP
L8 4941 SEA ABB=ON PLU=ON L4 AND ['AIB''BAL']...^/SQSP
L9 STRUCTURE UPLOADED
D
L10 173 SEA SUB=L3 SSS FUL L9
L11 ANALYZE PLU=ON L10 1- LC : 15 TERMS
D
L12 5114 SEA ABB=ON PLU=ON L10 OR L8

FILE 'ZCAPLUS' ENTERED AT 15:29:50 ON 08 MAY 2008

L13 102 SEA ABB=ON PLU=ON L10
L14 65 SEA ABB=ON PLU=ON L13 AND (PD<=20010611 OR PRD<=20010611)
L15 65 SEA ABB=ON PLU=ON L14 AND (PD<20010611 OR PRD<20010611)
L16 56 SEA ABB=ON PLU=ON L15 AND (PD<20000611 OR PRD<20000611)
L17 22 SEA ABB=ON PLU=ON L16 AND (CONJUG? OR LINK?)
D L17 1-22 IBIB HITSTR
L18 1649 SEA ABB=ON PLU=ON L8
L19 1179 SEA ABB=ON PLU=ON L18 AND (PD<=20010611 OR PRD<=20010611)
L20 1062 SEA ABB=ON PLU=ON L19 AND (PD<=20000611 OR PRD<=20000611)
L21 117 SEA ABB=ON PLU=ON L20 AND (CONJUG? OR LINK?)
L22 1 SEA ABB=ON PLU=ON L21 AND L17
D
D HITSTR
L23 116 SEA ABB=ON PLU=ON L21 NOT L22
L24 3 SEA ABB=ON PLU=ON L23 AND CYCLIC
L25 1 SEA ABB=ON PLU=ON L23 AND CYCLO
L26 14 SEA ABB=ON PLU=ON L23 AND CYCLO?
D L23 1- IBIB HITSTR

FILE HOME

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 7 MAY 2008 HIGHEST RN 1019993-29-3

DICTIONARY FILE UPDATES: 7 MAY 2008 HIGHEST RN 1019993-29-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2008.

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

FILE ZCAPLUS

FILE COVERS 1907 - 8 May 2008 VOL 148 ISS 19

FILE LAST UPDATED: 7 May 2008 (20080507/ED)

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 8 May 2008 (20080508/PD)

FILE LAST UPDATED: 8 May 2008 (20080508/ED)

CA INDEXING IS CURRENT THROUGH 8 May 2008 (20080508/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 8 May 2008 (20080508/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2008

FILE USPATOLD

FILE COVERS U.S. PATENTS 1790-1975

FILE USPAT2

FILE COVERS 2001 TO PUBLICATION DATE: 8 May 2008 (20080508/PD)

FILE LAST UPDATED: 8 May 2008 (20080508/ED)

CA INDEXING IS CURRENT THROUGH 8 May 2008 (20080508/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 8 May 2008 (20080508/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2008

FILE TOXCENTER

FILE COVERS 1907 TO 6 May 2008 (20080506/ED)

```
L1      4324310 SEA FILE=REGISTRY ABB=ON  PLU=ON  SQL<=20
L2      48380  SEA FILE=REGISTRY ABB=ON  PLU=ON  L1 AND X...^/SQSP
L3      3997   SEA FILE=REGISTRY ABB=ON  PLU=ON  L2 AND CYCLIC/NTE
L4      44383 SEA FILE=REGISTRY ABB=ON  PLU=ON  L2 NOT L3
L8      4941 SEA FILE=REGISTRY ABB=ON  PLU=ON  L4 AND ['AIB''BAL']...^/SQSP
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L9 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

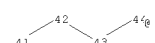
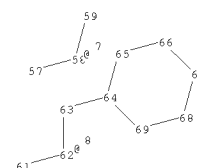
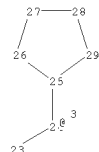
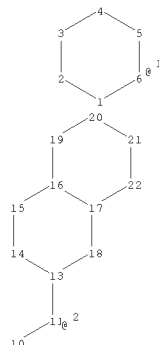
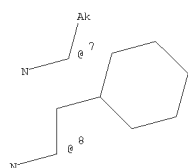
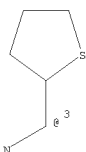
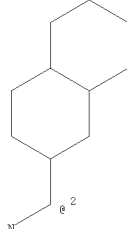
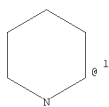
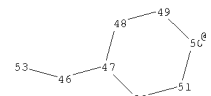
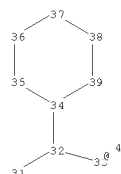
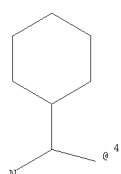
```
L10     173 SEA FILE=REGISTRY SUB=L3 SSS FUL L9
L13     102 SEA FILE=ZCAPLUS ABB=ON  PLU=ON  L10
L14     65  SEA FILE=ZCAPLUS ABB=ON  PLU=ON  L13 AND (PD<=20010611 OR
PRD<=20010611)
L15     65  SEA FILE=ZCAPLUS ABB=ON  PLU=ON  L14 AND (PD<20010611 OR
```

```

PRD<20010611)
L16      56 SEA FILE=ZCAPLUS ABB=ON  PLU=ON  L15 AND (PD<20000611 OR
PRD<20000611)
L17      22 SEA FILE=ZCAPLUS ABB=ON  PLU=ON  L16 AND (CONJUG? OR LINK?)
L18     1649 SEA FILE=ZCAPLUS ABB=ON  PLU=ON  L8
L19     1179 SEA FILE=ZCAPLUS ABB=ON  PLU=ON  L18 AND (PD<=20010611 OR
PRD<=20010611)
L20     1062 SEA FILE=ZCAPLUS ABB=ON  PLU=ON  L19 AND (PD<=20000611 OR
PRD<=20000611)
L21     117 SEA FILE=ZCAPLUS ABB=ON  PLU=ON  L20 AND (CONJUG? OR LINK?)
L22      1 SEA FILE=ZCAPLUS ABB=ON  PLU=ON  L21 AND L17
L23     116 SEA FILE=ZCAPLUS ABB=ON  PLU=ON  L21 NOT L22
L26      14 SEA FILE=ZCAPLUS ABB=ON  PLU=ON  L23 AND CYCLO?

```

H:\STN queries\09879442v1.str



chain nodes :

7 8 10 11 23 24 31 32 33 41 42 43 44 46 53 56 57 58 59 61 62 63

ring nodes :

1 2 3 4 5 6 13 14 15 16 17 18 19 20 21 22 25 26 27 28 29 34 35 36 37
38 39 47 48 49 50 51 52 64 65 66 67 68 69

chain bonds :

7-8 8-56 10-11 11-13 23-24 24-25 31-32 32-33 32-34 41-42 42-43 43-44 46-47 46-53
57-58 58-59 61-62 62-63 63-64

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 13-14 13-18 14-15 15-16 16-17 16-19 17-18 17-22 19-20
20-21 21-22 25-26 25-29 26-27 27-28 28-29 34-35 34-39 35-36 36-37 37-38 38-39
47-48 47-52 48-49 49-50 50-51 51-52 64-65 64-69 65-66 66-67 67-68 68-69

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 8-56 10-11 13-14 13-18 14-15 15-16 16-17 16-19 17-18
17-22 19-20 20-21 21-22 23-24 25-26 25-29 26-27 27-28 28-29 31-32 34-35 34-39
35-36 36-37 37-38 38-39 41-42 46-53 47-48 47-52 48-49 49-50 50-51 51-52 57-58
58-59 61-62 64-65 64-69 65-66 66-67 67-68 68-69

exact bonds :

11-13 24-25 32-33 32-34 42-43 43-44 46-47 62-63 63-64

G1:[*1],[*2],[*3],[*4],[*5],[*6],[*7],[*8]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS 11:CLASS 13:Atom
14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:CLASS
24:CLASS 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 31:CLASS 32:CLASS 33:CLASS 34:Atom
35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 41:CLASS 42:CLASS 43:CLASS 44:CLASS 46:CLASS
47:Atom 48:Atom 49:Atom 50:Atom 51:Atom 52:Atom 53:CLASS 56:CLASS 57:CLASS 58:CLASS
59:CLASS 61:CLASS 62:CLASS 63:CLASS 64:Atom 65:Atom 66:Atom 67:Atom 68:Atom 69:Atom